

## CLAIMS

We claim:

1           1.    A medical device to remove hubs used in intravenous  
2 tubing, comprising:

3           a pair of pivotally connected arms, each arm having a first  
4 end and a second end, and a central portion between the first  
5 end and the second end, the arms being pivotally connected about  
6 midway between the first end and the second end, each arm having  
7 a thickness;

8           a ring formed in the first end of each said arm, the ring  
9 defining a ring handle;

10          a ratchet extending from each arm adjacent the ring handle,  
11 each ratchet having a plurality of ratchet teeth defined  
12 therein, the ratchets extending towards each other; and

13          a jaw formed in the second end of each arm, each jaw having  
14 a block shape thicker than the central portion and first end of  
15 the arm, the jaws projecting from the central portion of the  
16 arms towards each other, each jaw having a semicylindrical  
17 recess defined therein;

18          whereby the jaws are adapted for extending around the hub  
19 locked in a firm grip by engagement of the ratchets in order to  
20 clamp the hub between the jaws.

1           2.    The medical device according to claim 1, wherein each  
2 said jaw further comprises a plurality of teeth defined therein  
3 adapted for gripping the hub.

1           3.    The medical device according to claim 1, wherein each  
2 said jaw is between about 3/8 to 5/8 inches thick.

1           4.    The medical device according to claim 1, wherein each  
2 said jaw comprises an upper projection and a lower projection  
3 defining the recess, each of the projections having a planar  
4 face, the planar faces of the upper and lower projections  
5 abutting when said ring handles are drawn together so that the  
6 semicylindrical recesses form a cylindrical bore having a  
7 diameter between about 3/8 inch and one-half inch.

1           5.     A clamping tool for clamping hubs in intravenous  
2 tubing, comprising:

3           a pair of pivotally connected arms, each arm having a first  
4 end and a second end, and a central portion between the first  
5 end and the second end, the arms being pivotally connected about  
6 midway between the first end and the second end, each arm having  
7 a thickness;

8           a ring formed in the first end of each said arm, the ring  
9 defining a ring handle;

10          a ratchet extending from each arm adjacent the ring handle,  
11 each ratchet having a plurality of ratchet teeth defined  
12 therein, the ratchets extending towards each other; and

13          a jaw formed in the second end of each arm, each jaw having  
14 each jaw having an upper projection and a lower projection and a  
15 semicylindrical recess defined between the upper and lower  
16 projections, the jaws projecting from the central portion  
17 towards each other;

18          whereby the jaws are adapted for extending around the hub  
19 locked in a firm grip by engagement of the ratchets in order to  
20 clamp the hub between the jaws.

1           6.    The clamping tool according to claim 5, wherein each  
2   said jaw further comprises a plurality of teeth defined therein  
3   adapted for gripping the hub.

1           7.    The clamping tool according to claim 5, wherein each  
2   said jaw is between about 3/8 to 5/8 inches thick.

1           8.    The clamping tool according to claim 5, wherein the  
2   upper projection and the lower projection of each said jaw has a  
3   planar face, the planar faces of the upper and lower projections  
4   abutting when said ring handles are drawn together so that the  
5   semicylindrical recesses form a cylindrical bore having a  
6   diameter between about 3/8 inch and one-half inch.